

10/582974  
AP3 Rec'd PCT/PTO 15 JUN 2006ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.G./  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Naotake YAMAMOTO : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2006\_0924A  
Filed June 15, 2006 :  
TRANSMITTING METHOD, RECEIVING :  
METHOD, TRANSMITTING DEVICE,  
RECEIVING DEVICE AND TRANCEIVING :  
DEVICE  
[Corresponding to PCT/JP2005/016204  
Filed August 30, 2005]

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the  
above-entitled application, or

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before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**
- (2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

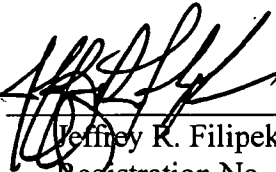
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3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ an International Search Report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ an International Search Report citing one or more of the references is enclosed.

Respectfully submitted,

Naotake YAMAMOTO

By 

Jeffrey K. Filipek  
Registration No. 41,471  
Attorney for Applicant

JRF/fs  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
June 15, 2006

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.G./

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2006\_0924ASERIAL NO.  
NEWU.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)APPLICANT  
Naotake YAMAMOTOFILING DATE  
June 15, 2006

GROUP

Date Submitted to PTO: June 15, 2006

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/S.G./	AJ	10-508725	8-25-98	Japan		/S.G./	abstract
	AK						
	AL						
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

/S.G./	AO	Naotake Yamamoto et al. "Adaptive Internally Turbo-Coded Ultra Wideband-Impulse Radio (AIRC-UWB-IR) System", ICC 2003, 2003 IEEE International Conference on Communications, Anchorage, AK, May 11-15, 2003, IEEE International Conference on Communications, New York, NY: IEEE, US, vol. 1 of 5, May 11, 2003, pages 3535-3539
/S.G./	AP	Nathaniel J. August et al., "An Adaptive UWB Modulation Scheme for Optimization of Energy, BER, and Data Rate", Ultra Wideband Systems, 2004, Joint with Conference on Ultrawideband Systems and Technologies, Joint UWBST & IWUWBS, 2004, International Workshop on Kyoto, Japan, May 18-21, 2004, Piscataway, NJ, USA, IEEE, May 18, 2004, pages 182-186
/S.G./	AQ	Naotake Yamamoto et al., "Performance Evaluation of Internally Turbo-Coded Ultra Wideband-Impulse Radio (ITC-UWB-IR) System", The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE

EXAMINER

/Santiago Garcia/

DATE CONSIDERED

03/03/2011